

APR 9 - 1953

4/6/53--Sanibel, Fla.

To: G.W. Eddy

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg Mass Collections

Pen	Date	3/28	29	30	31	4/1	2	3	4	Totals
Knip	FR1/	0	1	1	3	2	1	0	3	11
	SR	0	1	3	2	0	1	1	0	8
	FNR	0	0	0	0	0	0	0	0	0
	SNR	0	0	0	0	0	0	0	0	0
Bush	FR	0	1	1	0	0	0	0	0	2
	SR	0	0	3	0	0	0	0	0	3
	FNR	0	0	0	0	0	0	0	0	0
	SNR	0	0	0	0	0	0	0	0	0
EDDy	FR	0	0	1	0	1	0	0	0	2
	SR	0	0	1	0	0	0	0	0	1
	FNR	3	2	3	3	1	2	0	1	15
	SNR	1	2	3	0	4	2	0	0	12
Iona	F	0	0	0	1	0	0	0	0	1
	S	2	0	0	0	0	0	0	0	2

Tower--none

Pine	F	0	0	0	0	0	0	0	0	0
	S	2	0	0	0	0	0	0	0	2

1/ Radioactive release made on Sanibel, 3/24/53

Fly Trap Collections

Trap	School	Junction	Saf.Hbr	Iona	Tower	Pine	Buck K.	Ft.Myers	Placida
Date	3/30	3/30	3/27*	3/30	3/30	3/30	3/27*	3/30	3/19
Quarts	0.5	0.2	0.3	1.3	0.8	0.2	0.5	0.3	1.2
R SW	1	4	0	0	0	0	0	0	0
NR SW	0	0	1	1	0	0	1	0	0

* Reported in previous weekly report.

Fifty-one days have elapsed since the last fertile "wild" egg mass from Knip pen and 40 days since the last sterile "wild."

cc: E.F. Knipling

R.C. Bushland

Alfred H. Baumhover

APR 9 - 1983

4/6/53--Sambel, Fla.

To: G.W. Eddy

From: A.H. Baumhover

Subject: Weekly Progress Report

See Mass Collections

Pen	Date	3/28	29	30	31	4/1	2	3	4	Totals
Knip	FR	0	1	1	2	2	1	0	3	11
	SR	0	1	3	2	0	1	1	0	8
	FR	0	0	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0	0	0
Bush	FR	0	1	1	0	0	0	0	0	2
	SR	0	0	3	0	0	0	0	0	3
	FR	0	0	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0	0	0
Eddy	FR	0	0	1	0	1	0	0	0	2
	SR	0	0	1	0	0	0	0	0	1
	FR	3	2	3	3	1	2	0	1	15
	SR	1	2	3	0	4	2	0	0	12
Iona	F	0	0	0	1	0	0	0	0	1
	S	0	0	0	0	0	0	0	0	0

Tower--none

Pine	F	S	0	0	0	0	0	0	0	0
	2	2	0	0	0	0	0	0	0	0

Fly Trap Collections

Trap	Date	3/30	3/30	3/30	3/30	3/30	3/30	3/30	3/30	3/30
School	3/30	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Union	3/30	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Sat. Hbr	3/30*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Iona	3/30	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Tower	3/30	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Pine	3/30	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Back K. Ft. Myers	3/30*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Placida	3/30	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

* Reporting previous weekly report.

Fifty-one days have elapsed since the last fertile "wild"

egg mass from Knip pen and 40 days since the last sterile "wild."

cc: E.F. Knippling

R.C. Bushland

[Handwritten signature]

4/7/53

Weekly collections of screw-worm egg masses from the wounds of goats before, during and after the release of approximately 100 sterile males per square mile per week in the Sanibel release area January 13 to March 25, 1953. (Releases made during the 2nd through 8th week.)

Location of goats	Week	Numbers of fertile and sterile egg masses collected during indicated weeks and percentage sterility.										Totals 3-10
		1	2	3	4	5	6	7	8	9	10	
1-Knip	Fertile	1	2	2	2	1	0	0	0	0	0	5
	Sterile	0	0	1	3	6	3	0	0	0	0	13
	Total	1	2	3	5	7	3	0	0	0	0	18
	%Sterile	0	0	33	60	86	100	-	-	-	-	72
2-Bush	Fertile	0	2	1	5	3	0	2	2	0	2	15
	Sterile	0	0	11	23	13	0	3	4	0	2	56
	Total	0	2	12	28	16	0	5	6	0	4	71 ^{1/}
	%Sterile	-	0	92	82	81	-	60	66	-	50	80
3-Eddy	Fertile	21	6	3	5	45	39	39	30	28	58	247
	Sterile	0	0	0	13	19	21	12	18	14	5	102
	Total	21	6	3	18	64	60	51	48	42	63	349
	%Sterile	0	0	0	72	30	35	24	38	33	8	31
4-Iona	Fertile	-	0	0	0	0	0	0	1	1	2	4
	Sterile	-	0	0	0	0	0	0	0	0	0	0
	Total	-	0	0	0	0	0	0	1	1	2	4
	%Sterile	-	0	0	0	0	0	0	0	0	0	0
5-Tower	Fertile	-	2	0	0	0	0	0	0	0	0	0
	Sterile	-	0	0	0	0	0	0	3	0	0	3
	Total	-	2	0	0	0	0	0	3	0	0	3
	%Sterile	-	0	0	-	-	-	-	100	-	-	100
6-Pine	Fertile	-	0	0	0	0	0	2	2	0	0	4
	Sterile	-	0	0	2	1	0	1	2	0	0	6
	Total	-	0	0	2	1	0	3	4	0	0	10
	%Sterile	-	-	-	100	100	-	33	50	-	-	60

^{1/} Forty-two egg masses from "wild" screw-worms were collected in 1952 during a period comparable to the 3rd through 10th weeks at the same location.

Weekly collections of screw-worm egg masses from the wounds of goats before, during and after the release of approximately 100 sterile males per square mile per week in the Sanibel release area January 13 to March 25, 1953. (Releases made during the 2nd through 8th week.)

Location of Goats	Week	Numbers of fertile and sterile egg masses collected during indicated weeks and percentage sterility.									
		1	2	3	4	5	6	7	8	9	10
1-Knap	Fertile	1	2	2	2	1	0	0	0	0	0
	Sterile	0	0	1	3	6	3	0	0	0	0
	Total	1	2	3	5	7	3	0	0	0	0
	Sterility	0	0	33	60	86	100	-	-	-	-
2-Bush	Fertile	0	2	1	5	3	0	2	2	0	2
	Sterile	0	0	11	23	13	0	3	4	0	2
	Total	0	2	12	28	16	0	5	6	0	4
	Sterility	-	0	92	82	81	-	60	66	-	50
3-Baby	Fertile	21	6	3	5	45	39	39	30	28	58
	Sterile	0	0	0	13	13	21	12	13	14	5
	Total	21	6	3	18	64	60	51	43	42	63
	Sterility	0	0	0	72	30	35	24	38	33	8
4-Iona	Fertile	-	0	0	0	0	0	0	1	1	2
	Sterile	-	0	0	0	0	0	0	0	0	0
	Total	-	0	0	0	0	0	0	1	1	2
	Sterility	-	0	0	0	0	0	0	0	0	0
5-Tower	Fertile	-	2	0	0	0	0	0	0	0	0
	Sterile	-	0	0	0	0	0	0	3	0	0
	Total	-	2	0	0	0	0	0	3	0	0
	Sterility	-	0	0	0	0	0	0	100	-	-
6-Pine	Fertile	-	0	0	0	0	0	2	2	0	0
	Sterile	-	0	0	2	1	0	1	2	0	0
	Total	-	0	0	2	1	0	3	4	0	0
	Sterility	-	-	-	100	100	-	33	50	-	-

Forty-two egg masses from "wild" screw-worms were collected in 1952 during a period comparable to the 3rd through 10th weeks at the same location.

APR 13 1953

4/11/53-Sanibel, Florida

To: G. W. Eddy

From: A.H. Baumhover

Subject: Weekly Report

Egg Mass Collections

Pen	Date	4/5	6	7	8	9	10	
Knip	FR	0	0	1	0	1	1	
	SR	0	0	1	0	0	0	
	FNR	0	0	0	0	1	0	
	SNR	0	0	0	0	0	0	
Bush	FR	0	0	0	0	0	0	
	SR	0	0	0	0	0	0	
	FNR	0	0	0	0	0	0	
	SNR	0	0	0	0	0	0	
Eddy	FR	2	6	4	0	0	0	
	SR	0	0	0	0	0	0	
	FNR	0	0	0	0	2	1	
	SNR	0	0	0	0	0	0	
Iona	F	0	0	1	0	<u>1</u>	0	<u>1</u> Pen moved to Punta Rasa.
	S	0	0	0	0	0	0	
Tower	F	0	0	0	0	0	0	<u>2</u> Pen moved to Pineland
	S	0	0	0	0	0	0	
Pine	F	0	0	0	0	0	0	<u>3</u> Pen moved to St. James City
	S	0	0	0	0	0	0	

Trap	<u>Fly Trap Collections</u>				Iona	Tower	Pine	BuckK.	Ft. Myers	Placida
Date	4/6	4/6	-	-	4/6	4/6	4/6	-	4/6	-
Quarts	6.0	2.0	-	-	1.5	1.6	0.4	-	0.2	-
R SW	0	1	-	-	0	0	0	-	0	-
NR Sw	1	2	-	-	0	0	0	-	0	-

cc: E.F. Knipling
R.C. Bushland

APR 13 1953

4/11/53-Sanibel, Florida

To: G. W. Eddy
From: A.H. Bannanover
Subject: Weekly Report

Red Mass Collections

Pen	Date	4/5	6	7	8	9	10
Knip	FR	0	0	1	0	1	1
	SR	0	0	1	0	0	0
	PMR	0	0	0	0	1	0
	SMR	0	0	0	0	0	0
Bush	FR	0	0	0	0	0	0
	SR	0	0	0	0	0	0
	PMR	0	0	0	0	0	0
	SMR	0	0	0	0	0	0
Eddy	FR	2	6	4	0	0	0
	SR	0	0	0	0	0	0
	PMR	0	0	0	0	2	1
	SMR	0	0	0	0	0	0
Jones	F	0	0	1	0	0	0
	S	0	0	0	0	0	0
Tower	F	0	0	0	0	0	0
	S	0	0	0	0	0	0
Pine	F	0	0	0	0	0	0
	S	0	0	0	0	0	0

Pen moved to Punta Pass.

Pen moved to Pineland

Pen moved to St. James City

Trap	Date	Guards	R SW	NR SW
Schell	4/6	6.0	0	1
Sanibel	4/6	2.0	1	2
Jones	4/6	1.2	0	0
Tower	4/6	1.0	0	0
Pine	4/6	0.4	0	0
Buck. Pt. Myers	4/6	-	-	-
Placida	4/6	0.2	0	0

cc: E.P. Knippling
R.C. Bushland

APR 21 1953

4/18/53--Sanibel, Florida

To: G.W. Eddy

From: A.H. Baumhover

Subject: Weekly Report

Egg Mass Collections

Pen	Date	4/11	12	13	14	15	16	17
Knip	FR	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0
	FNR	1	1	1	0	0	0	0
	SNR	0	0	0	0	0	0	0
Bush	FR	1	0	0	0	0	0	0
	SR	0	0	1	0	0	0	0
	FNR	1	0	0	0	0	0	0
	SNR	1	0	0	0	0	0	0
Eddy	FR	1	2	2	3	6	2	1
	SR	0	0	0	0	0	0	0
	FNR	5	3	1	1	5	12	1
	SNR	0	0	0	1	0	0	2

Punta Rasa, St. James, and Pineland--none.

Fly Trap Collections

Trap	School	Junction	Saf. Hbr. ^{1/}	Iona	Tower	Pine	Buck K.	Ft. Myers
Date	4/13	4/13	4/15	4/14	4/14	4/14	4/15	4/14
Quarts	3.0	0.6	0.7	1.0	1.0	0.7	3.0	0.5
R SW	0	0	0	0	0	0	0	0
NR SW	1	7	1	0	0	0	4	0

1/ Safety Harbor and Buck Key catches date from 3/27 to 4/15 due to a combination of adverse weather and the press of other duties.

APR 21 1953

4/18/53--Santibel, Florida

To: G.W. Hogg
 From: A.H. Baumhauer
 Subject: Weekly Report

Tree Mass Collections

Tree	Date	4/11	12	13	14	15	16	17
Knip	TR	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0
	TRR	1	1	1	0	0	0	0
	SMR	0	0	0	0	0	0	0
Bush	TR	1	0	0	0	0	0	0
	SR	0	0	1	0	0	0	0
	TRR	1	0	0	0	0	0	0
	SMR	1	0	0	0	0	0	0
Eddy	TR	1	2	2	2	2	2	1
	SR	0	0	0	0	0	0	0
	TRR	2	3	1	1	2	12	1
	SMR	0	0	0	1	0	0	2

Punta Rasa, St. James, and Pineland--none.

Fly Trap Collections

Trap	Date	4/13	4/15	4/16	4/17	4/18	4/19
School Junction	Guarantee	3.0	0.6	0.7	1.0	1.0	0.5
	R SW	0	0	0	0	0	0
Safety Harbor and Back Bay	Guarantee	1	7	1	0	0	4
	R SW	0	0	0	0	0	0

4/18 due to a combination of adverse weather and the press of other duties.
 Safety Harbor and Back Bay catches date from 3/27 to 4/18

Weekly report-Baumhover to Eddy-4/18/53

Fly releases

Captiva: 1256 normal, rabbit-reared, both sexes from April 6 through 11; 500 on April 17.

Immokalee: 3800 cc. 5000R pupae released April 14 (See enclosed map). Catches are being taken every other day.

(Final sterile male release on Captiva and Flight Area made April 4, 1953.)

cc: E.F. Knipling
R.C. Bushland

Weekly report-Bannover to Eddy-4/18/53

Fly releases

Captives: 1256 normal, rabbit-reared, both sexes from April 6 through 11; 500 on April 17.

Immatures: 3800 cc. 5000H pupae released April 14 (see enclosed map). Catches are being taken every other day.

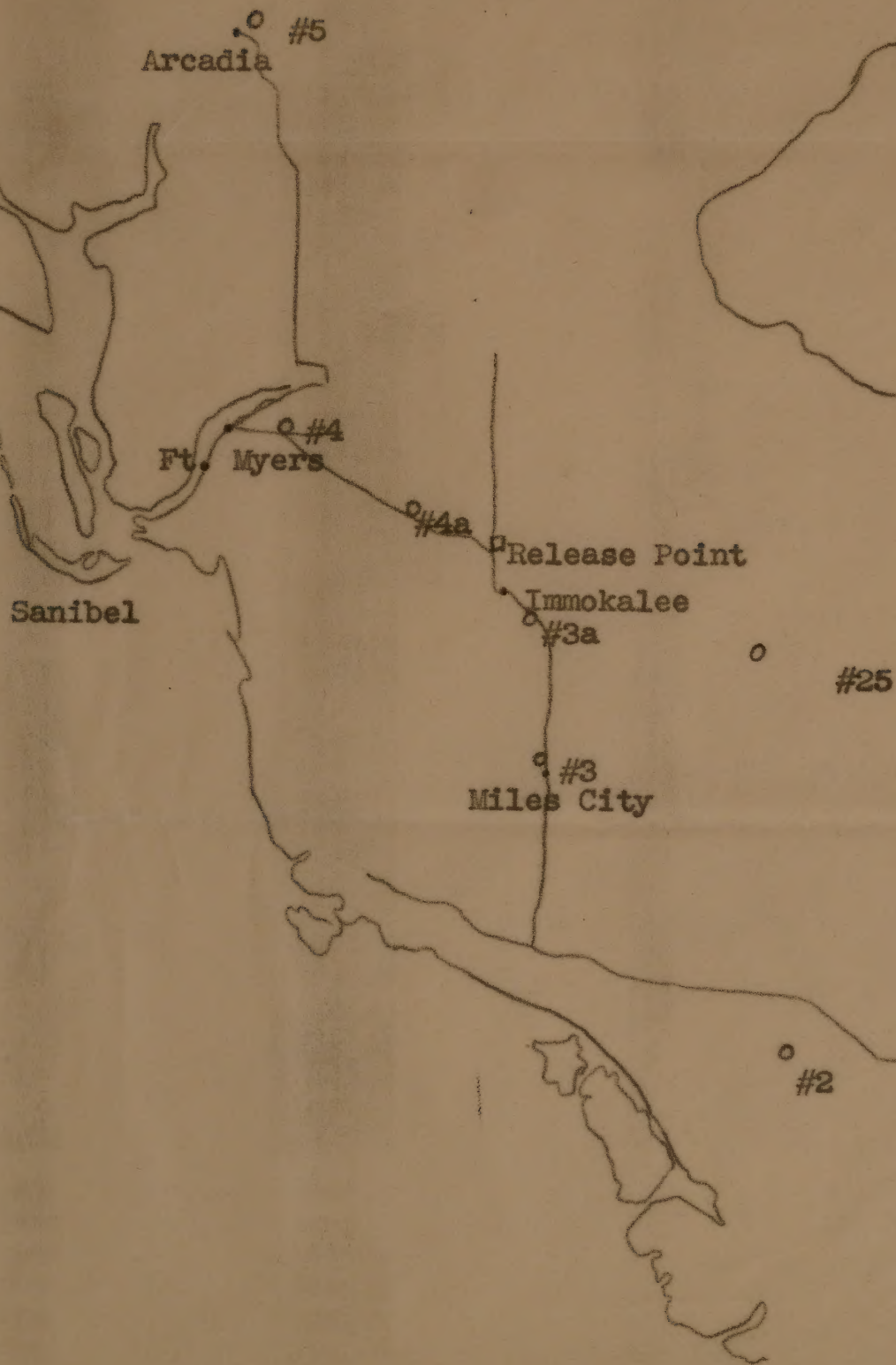
(Final sterile male release on Captives and Flight Area made April 4, 1953.)

cc: R.F. Knippling
R.C. Bushland

Release area 4/14/53 -- 3800 cc.
C. homnivorax pupae, 5000R.

- o Traps
- Release Point
- . Towns

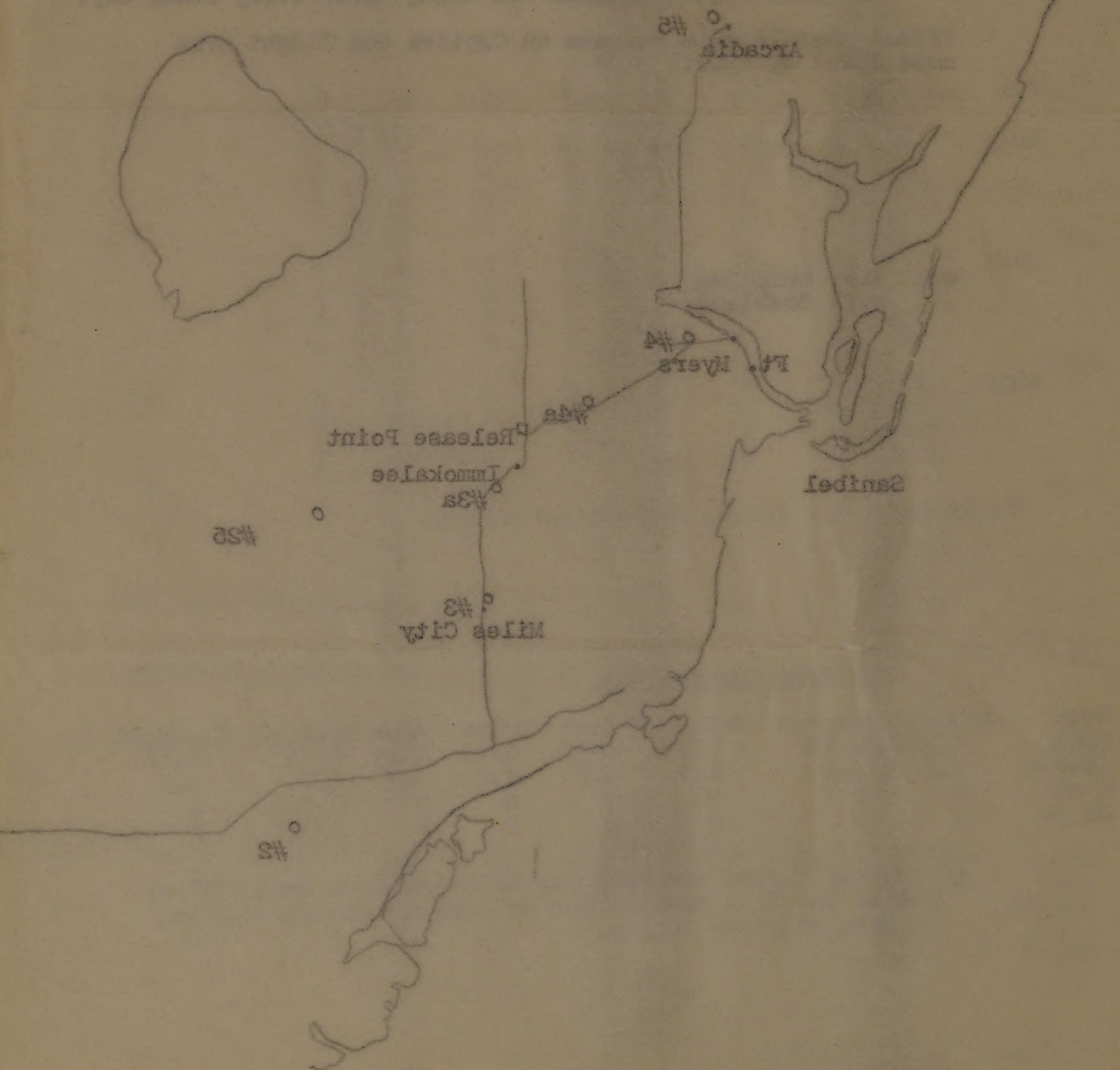
Distances between traps 4, 4a, 3a and 3
approximately 16 miles.



Release area 4/1A/53 -- 3800 cc.
 C. hominivorex pupae, 5000R.

• Traps
 • Release Point
 • Towns

Distances between traps 4, 4a, 3a and 3
 approximately 16 miles.



3
APR 27 1953

4/25/53--Sanibel, Florida

To: G. W. Eddy

From: A.H. Baumhover

Subject: Weekly Report

Egg Mass Collections

Pen	Date	4/18	19	20	21	22	23	24
Knip	FR	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0
	FNR	1	0	2	0	3	1	1
	SNR	0	0	1	0	0	0	0
Bush	FR	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0
	FNR	1	0	2	2	0	2	2
	SNR	0	0	0	0	0	0	0
Eddy	FR	1	1	0	1a/	8	6	0
	SR	0	0	0	0	0	0	0
	FNR	11	16	12	9	3	9	6
	SNR	1	0	1	0	0	0	0

a/ from war-
ble infested
rat.

P.Rasa-3FNR,4/24; Pineland-1FR, 1FNR,4/21; St.James-none.

Fly Collections

Trap	School	Junction	Saf.Hbr.	P.Rasa	St.James	Pineland	Buck	Key
Date	4/21	4/21	4/23	4/21	4/21	4/21		4/23
Quarts	2.5	2.3	0.9	1.8	0.2	1.3		3.0
R SW	0	0	1	0	0	0		4
NR SW	2	8	0	0	0	0		75

APR 27 1973

4/25/53--Sambel, Florida

To: G. W. Rddy

From: A.H. Baumhoefer

Subject: Weekly Report

Key Mass Collections

Pen	Date	4/18	19	20	21	22	23	24
Kelp	FR	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0
	THR	1	0	2	0	3	1	1
	SMR	0	0	1	0	0	0	0
Bush	FR	0	0	0	0	0	0	0
	SR	0	0	0	0	0	0	0
	THR	1	0	2	2	0	2	2
	SMR	0	0	0	0	0	0	0
Rddy	FR	1	1	0	1a	8	6	0
	SR	0	0	0	0	0	0	0
	THR	11	16	12	9	3	9	6
	SMR	1	0	1	0	0	0	0

P. Rase-3THR, 4/24; Pineland-1THR, 4/21; St. James-none.

Fly Collections

Trap	Date	Guarja	R SW	MR SW
School	4/21	2.5	0	2
Junction	4/21	2.3	0	3
Sat. Hbr.	4/23	0.9	1	0
P. Rase	4/21	1.8	0	0
St. James	4/21	0.2	0	0
Pineland	4/21	1.2	0	0
Buck Key	4/23	3.0	4	75

0 die infected
0 from war-
ref.

Fly Trap Collections (cont.)

Immokalee Release Area

Trap No.	4 (round)				4a (square)				3a (square)				3 (round)			
Date	4/16	18	20	24	16	18	20	24	16	18	20	24	16	18	20	24
Quarts	0.5	0.6	0.7	0.5	2.0	1.4	1.4	2.0	0.7	0.9	0.4	2.0	0.1	0.2	0.1	0.1
R SW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NR SW	0	0	0	0	2	1	0	4	0	1	0	2	0	2	0	2

Ft. Myers Trap (No. 4) included the following radioactive flies: 2 Sarcophaga, 1 Lucilia, and 1 macellaria on April 20. One radioactive Sarcophaga was also contained in the School trap on April 21. Periodic counts will be made of the specimens to determine the half-life of the activity.

cc: E. F. Knipling
R. C. Bushland

enc.

Please note:

The enclosed tabulation of the daily collection of egg masses during the study of the comparative ability of sterile males to compete with normal males (media-reared) corrects errors in the tabulation of egg masses collected at Eddy pen on April 5, 6, and 7. These dates correspond with the 8th, 9th and 10th days in the enclosed tabulation.

Fly Trap Collections (cont.)

Immature Release Area

Trap No.	A (round)				3a (square)				3 (round)			
Date 4/18	18	20	24	18	18	20	24	18	18	20	24	18
Quanta 0.5	0.6	0.7	0.5	2.0	1.4	1.4	2.0	0.7	0.9	0.4	2.0	0.1
R SW	0	0	0	0	0	0	0	0	0	0	0	0
NR SW	0	0	0	2	1	0	4	0	1	0	2	2

Fl. Myers Trap (No. 4) included the following radioactive flies:
 2 *Paraphysa*, 1 *Isotoma*, and 1 *Mesochorus* on April 28. One
 radioactive *Paraphysa* was also contained in the school trap on
 April 28. Periodic counts will be made of the specimens to
 determine the half-life of the activity.

cc: E. P. Knipping
 R. C. Bushland

enc.

Please note:

The enclosed tabulation of the daily collection of egg masses
 during the study of the comparative ability of sterile males
 to compete with normal males (media-reared) corrects errors
 in the tabulation of egg masses collected at Eddy pen on April
 6, 6, and 7. These dates correspond with the 8th, 9th and 10th
 days in the enclosed tabulation.

Table 1 - Daily collection of egg masses from wounds of goats during study of the comparative ability of media-reared, sterile males of Callitroga homnivorax to compete with media-reared normal males. A total of 1400 each of P 32 media-reared sterile males, normal males and normal females were released on Sanibel Island, Florida, March 24, 1953, distributed equally at 7 stations.

Location of goats		Type Egg Mass	Numbers of fertile-radioactive (FR), sterile-radiocative (SR), fertile-non-radioactive (FNR), and sterile-non-radioactive (SNR) egg masses collected on indicated days, beginning 6 days after release.																Totals
Pen No.	Area		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Sanibel	FR	1	1	3	2	1	0	3	0	0	1	0	1	1	0	0	0	14
		SR	1	3	2	0	1	1	0	0	0	1	0	0	0	0	0	0	9
		FNR	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	4
		SNR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Sanibel	FR	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3
		SR	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4
		FNR	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
		SNR	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
3	Captiva	FR	0	1	0	1	0	0	0	0	1	0	0	0	0	-1/-	-	-	3
		SR	0	1	0	0	0	0	0	0	0	0	0	0	0	-	-	-	1
		FNR	2	3	3	1	2	0	1	2	5	4	0	2	1	-	-	-	26
		SNR	2	3	0	4	2	0	0	0	0	0	0	0	0	-	-	-	11

1/ Egg masses collected on 14th, 15th, and 16th day from subsequent Captiva release.

Table 1 - Daily collection of egg masses from wounds of goats during study of the comparative ability of media-reared, sterile males of *Callitrochus hominivorax* to compete with media-reared normal males. A total of 1400 each of 732 media-reared sterile males, normal males and normal females were released on Sanibel Island, Florida, March 24, 1963, distributed equally at 7 stations.

Location of Goats	Pen No.	Area	Type	Numbers of fertile-radioactive (FR), sterile-radioactive (SR), fertile-non-radioactive (FNR), and sterile-non-radioactive (SNR) egg masses collected on indicated days, beginning 6 days after release.															
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Totals
1 Sanibel			FR	1	1	3	2	1	0	3	0	0	1	0	1	1	0	0	14
			SR	1	3	2	0	1	1	0	0	0	1	0	0	0	0	0	9
			FNR	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	4
			SNR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Sanibel			FR	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	3
			SR	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1	4
			FNR	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
			SNR	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
3 Captiva			FR	0	1	0	1	0	0	0	1	0	0	0	0	0	-1/-	-	3
			SR	0	1	0	0	0	0	0	0	0	0	0	0	0	-	-	1
			FNR	3	3	3	1	3	0	1	2	2	4	0	2	1	-	-	26
			SNR	3	3	0	4	3	0	0	0	0	0	0	0	0	-	-	11

✓ Egg masses collected on 14th, 15th, and 16th day from subsequent Captiva releases.